GAU 1772 #3

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On 9-6-00

TOWNSEND and TOWNSEND and CREW LLP

By: Lynda J. Rogers

PATENT
Attorney Docket No.: 20174-000230US
Client Reference No.: 3016-P3

#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARC A. UNGER et al.

Application No.: 09/605,520

Filed: June 27, 2000

For: MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS

Examiner: Unassigned

Art Unit: 1772

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

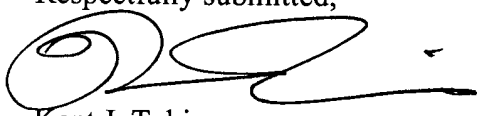
The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and

no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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PA 3088002 v1

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Attorney Docket No.: 20174-000230US	Application No.: 09/605,520
	Applicant: MARC A. UNGER et al.	
	Filing Date: June 27, 2000	Group: Unassigned

Reference Designation — **U.S. PATENT DOCUMENTS** — Page 1 of 2

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AB	Brechtel et al., "Control of the electroosmotic flow by metal-salt-containing buffers," *J Chromatography A*, (1995), 716:97-105.
AC	Buchaillot, et al., "Silicon nitride thin films Young's modulus determination by an optical non-destructive method," *Jpn. J. Appl. Phys.*, (1995) Vol. 36, Pt. 2, No. 6B, pp. L794-L797.
AD	Delamarche et al., "Patterned delivery of immunoglobulins to surfaces using microfluidic networks," *Science*, (2 May 1997) Vol. 276, pp. 779-781.
AE	Duffy et al., "Rapid prototyping of microfluidic switches in poly(dimethyl siloxane) and their actuation by electro-osmotic flow," *J. Micromech. Microeng.*, (1999) Vol. 9, pp. 211-217.
AF	Effenhauser et al., "Integrated capillary electrophoresis on flexible silicone microdevices: Analysis of DNA restriction fragments and detection of single DNA molecules on microchips," *Anal. Chem.*, (1997) Vol. 69, pp. 3451-3457.
AG	Effenhauser et al., "Integrated chip-based capillary electrophoresis," *Electrophoresis*, (1997), Vol. 18, pp. 2203-2213.
AH	Fahrenberg et al., "A microvalve system fabricated by thermoplastic molding," *J. Micromech. Microeng.*, (1995) Vol. 5, pp. 169-171.
AI	Fu et al., "A microfabricated fluorescence-activated cell sorter," *Nature Biotechnology*, (November 1999) Vol 17, pp. 1109-1111.
AJ	Goll et al., "Microvalves with bistable buckled polymer diaphragms," *J. Micromech. Microeng.*, (1996) Vol. 6, pp. 77-79.
AK	Harrison et al., "Micromachining a miniaturized capillary electrophoresis-based chemical analysis system on a chip," *Science*, (13 August 1993) Vol. 261, pp. 895-897.
AL	Hosokawa et al., "Handling of Picoliter liquid samples in a poly(dimethylsiloxane)-based microfluidic device," *Anal. Chem.*, (October 1999) Vol. 71, No. 20, pp. 4781-4785.
AM	Ikuta et al., "Three dimensional micro integrated fluid systems (MIFS) fabricated by stereo lithography," *IEEE Kyushu Institute of Technology*, (1994) pp. 1-6.
AN	Jacobson et al., "High-speed separations on a microchip," *Anal. Chem.*, (April 1994) Vol. 66, No. 7, pp. 1114-1118.
AO	Jacobson et al., "Microfluidic devices for electrokinetically driven parallel and serial mixing," *Anal. Chem.*, (October 1999) Vol. 71, No. 20, pp. 4455-4459.
AP	Kenis et al., "Microfabrication inside capillaries using multiphase laminar flow patterning," *Science*, (2 July 1999) Vol. 285, pp. 83-85.
AQ	Lin et al., "Free-space micromachined optical switches for optical networking," *IEEE J. Selected Topics in Quantum Electronics*, (January/February 1999) Vol. 5, No. 1, pp. 4-9.
AR	Lötters et al., "The mechanical properties of the rubber elastic polymer polydimethylsiloxane for sensor applications," *J. Micromech. Microeng.*, (1997) Vol. 7, pp. 145-147.
AS	Lucy et al., "Characterization of the cationic surfactant induced reversal of electroosmotic flow in capillary electrophoresis," *Anal. Chem.*, (1996) Vol. 68, pp. 300-305.
AT	Markx et al. "Applications of dielectrophoresis in biotechnology," *Tibtech*, (October 1997) Vol. 15, pp. 426-432.

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	Filing Date: June 27, 2000	Group: Unassigned

_____ AU	Muller et al., "Surface-micromachined microoptical elements and systems," *IEEE* (August 1998) Vol. 86, No. 8, pp. 1705-1720.
_____ AV	Schasfoort et al., "Field-effect flow control for microfabricated fluidic networks," *Science*, (29 October 1999) Vol. 286, pp. 942-945.
_____ AW	Tufte et al., "Silicon diffused-element piezoresistive diaphragms," *J. Appl. Phys.* (November 1962) Vol. 33, No. 11, pp. 3322-3327.
_____ AX	Washizu et al., "Molecular dielectrophoresis of biopolymers," *IEEE Transactions on Industry Applications*, (July/August 1994) Vol. 30, No. 4, pp. 835-843.
_____ AY	Xia et al., "Complex optical surfaces formed by replica molding against elastomeric masters," *Science* (July 1996) Vol. 273, pp. 347-349.
_____ AZ	Xia et al., "Soft Lithography," *Angew. Chem. Int. Ed. (1998) Vol. 37, pp. 551-575.*
_____ BA	Yazdi et al., "Micromachined inertial sensors," *IEEE*, (August 1998) Vol. 86, No. 8, pp. 1640-1659.
_____ BB	Young et al., "Contoured elastic-membrane microvalves for microfluidic network integration," *J. Biomechanical Engineering*, (February 1999) Vol. 121, pp. 2-6.
_____ BC	Hornbeck et al., "Bistable Deformable Mirror Device," *Spatial Light Modulators and Applications 1988 Technical Digest Series, Volume 8,* Postconference Edition, Summaries of papers presented at the Spatial Light Modulators and Applications Topical Meeting, June 15-17, 1988, Optical Society of America, pp. 170-110.
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PA 3088002